

altitude of 1115

1115  
1117

approximately equal to the ratio of the volume of the "tail" of the average disturbed zone.

There are 5 figures in Table and 12 references (10 Soviet and 2 non-Soviet). Two English translations are included in ref. 9 (in text) and ref. 9 (in text). Written by: Shockey - Phys. Rev., 1949, Vol. 69, No. 2.

COINFORM: TSACHIN

Card 4/6

GOLIKOV, I.N. (Moskva); MUZALEVSKIY, O.G.(Moskva)

Prospects for the development of combined processes of continuous casting and rolling of steel. Izv. AN SSSR.Otd.tekh.nauk.Met. 1 topl. no.5:9-14 S-0 '62. (MIRA 15:10)  
(Continuous casting) (Rolling (Metalwork))

LUK'YANOV, V.S., deputat Verkhovnogo Soveta SSSR, master bloka martenovskikh pechey; GOLIKOV, I.H.; BUY, B.I.; LEPOVSKIY, V.V.; SOPOV, T., Geroy Sotsialisticheskogo Truda, val'tsovshchik; KANTSEV, A.I.; CHERNOV, V.D., stalevar

We are carrying out the decisions of the 23d Congress of the Communist Party of the Soviet Union. Metallurg 7 no.7:2-6  
JL 132. (NERA 15:7)

1. Nizhno-Tagil'skiy metallurgicheskiy kombinat (for Luk'yanov).
2. Direktor Tsentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Golikov).
3. Sekretar' partiynogo komiteta Makoyevskogo metallurgicheskogo zavoda (for Buy).
4. Direktor zavoda "Azovstal'" (for Lepovskiy).
5. Magnitogorskiy metallurgicheskiy kombinat (for Sopov).
6. Direktor Gosudarstvennogo soynuznogo instituta po proyektirovaniyu agregatov stalleliteynogo i prokatnogo proizvodstva dlya chernoy metallurgii (for Kantsev).
7. Chelyabinskiy metallurgicheskiy zavod (for Chernov).  
(Metallurgy)

GOLIKOV, I.N., doktor tekhn.nauk, prof.; MOLOTILOV, B.V., inzh.

Domain and dislocation structures in transformer steel.  
Metalloved. i term. obr. met. no.12:21-23 D '62. (MIRA 16:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

(Steel--Metallography) (Domain structure)  
(Dislocations in metals)

GOLIKOV, I. I.

Greater attention to quality in steel - (Sov. 1979)  
F. 61. (Sov. 1979)

1. Director Technical Dept. of the Institute for  
Quality Metallurgy in the Machine  
(Metallurgical plants - quality control)  
(Steel)

ACCESSION NR: AP4012430

S/0129/64/000/002/0025/0028

AUTHORS: Zhurenkov, P.M.; Yegorshina, T.V.; Golikov, I.N.

TITLE: Dendritic segregation in 35KhGSA steel

SOURCE: Metalloved. i term. obrab. metallov, no. 2, 1964, 25-28

TOPIC TAGS: 35KhGSA steel, chromium, manganese, silicon, dendritic segregation, coring, microsegregation

ABSTRACT: The present work is devoted to determining the quantitative characteristics of coring chromium, manganese and silicon, using an electron microscope. In order to avoid the absorptive effect of characteristic rays and the secondary fluorescent emission in the specimen, a control sample, prepared from the same steel, was used for standardization purposes. Uniformity as to composition was attained by welding the ingot (diameter 150 mm.) to a bar (8 mm. diameter), by diffusion annealing at 1250C for 24 hrs., and subsequent normalizing at 860C. Results of some determinations of

Card 1/3

ACCESSION NR: AP4012430

chromium and manganese content in one control were compared with a calculation of content of these elements in pure metal, introducing a correction in fluorescent excitation of chromium and manganese atoms by iron atoms. Results of determining the content of components of alloys in dendrite areas by microanalysis are provided which indicate that there is not a substantial variation in degree of vertical coring in the ingot. With respect to the ingot cross section, the degree of coring is not constant. A great difference in the cooling rate of the investment and center zones of the ingot causes an increased degree of heterogeneous distribution of all components of the steel in approaching the ingot center. Chromium and manganese content at the axis of dendrites approach their average content in steel and change little in the ingot cross section. Silicon in the dendrite center is significantly depleted. This depletion increases in the axial zone of the ingot. A maximum degree of coring in the center zone of a 3.5 ton ingot of 35KhGSA steel is 1.90 for chromium, 1.85 for silicon and 1.75 for manganese. Tendency to coring was previously compared in certain elements of the

Card 2/3

ACCESSION NR: AP4012430

Fe-C-X ternary alloys (where X is the component) and in steel, alloyed with several elements in common. The order of decrease in degree of liquation in the series of elements Mo, Cr, Si, Mn, Ni from left to right in ternary alloys is maintained during joint alloying, although the amount of degree of coring changes. Orig. art. has: 4 figs. 1 table.

ASSOCIATION: TsNIICM

SUBMITTED: OC

DATE ACQ: 03Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 007

OTHER: 004

Card 3/3

ACCESSION NR: AP4014251

S/0133/64/000/002/0137/0139

AUTHORS: Nikol'skiy, V. S.; Golikov, I. N.

TITLE: Melting nickel-chromium alloys in an arc furnace with oxygen supply

SOURCE: Stal', no. 2, 1964, 137-139

TOPIC TAGS: nickel chromium alloy, melting, oxygen blow, Kh20N80 nickel chromium alloy, Kh15N60 nickel chromium alloy, titanium removal, silicon content in nichrome, nichrome strength, nichrome plasticity, Kh20N80T3 alloy, Kh20N80T alloy

ABSTRACT: Experimental results obtained in melting Ni-Cr alloys in an arc furnace with blown-in oxygen are presented. The procedure was developed for obtaining metal with a low C content and free of titanium (despite the use of Ti-containing waste products such as (Kh20N80T3, Kh20N80T, and others). The relation of Cr/C to temperature was studied in order to determine optimal content of chromium. A schematic drawing of the melting assembly used in these experiments is shown in Fig. 1 of the Enclosure. It consists of a 50-kg induction oven with the crucible (a) made of magnesium-chromium, a floating tungsten-rhenium thermocouple with an alundum tip (c) connected to the potentiometer (b) and to the oxygen tank (2). Oxygen was passed from the tank through the meter (d) into the quartz tube (e).

Card 1/3

ACCESSION NR: AP4014251

According to the tests of several melts in the temperature interval 1500-1800C, the Cr/C relation was

$$\lg \frac{[Cr]}{[C]} = \frac{20000}{T} + 12,20.$$

The authors conclude that this melting procedure resulted in an effective decarbonization of the metals, in the removal of Ti, and an in a greater content of Si which increased the strength and plastic properties of the alloys. Orig. art. has: 4 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 03Mar64

ENCL: 01

SUB CODE: ML

NO REF SOV: 002

OTHER: 005

Cerd 2/3

ZHURENKOV, P.M.; GOLIKOV, I.N.

Dendritic segregation of alloying elements in structural steel. Metalloved. i term. obr. met. no.5:38-40 My '64.  
(MIRA 17:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

SECRET

CONFIDENTIAL

TOP SECRET

SECRET

CONFIDENTIAL

22-28 164.

MOLOTILOV, B.V.; GOLIKOV, I.N.

Magnetic structure of transformer steel containing non-metallic inclusions. Stal' 24 no.1:69-72 Ja '64.  
(MIRA 17:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

SECRET

Making available to the public information that is not in the public domain and is the property of the United States Government is prohibited by law.

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4. Source plan of identification is needed. (Identify source  
28 April 1977) (G. Ted) (MFA 17 12)

10. Source: (Central) (code) (name) (address) (date) (signature)  
energy metallurgy (mer) (1/7) (Bardine)

ACC NR: AP6021265

SOURCE CODE: UR/6128/85/00/003/0037/0038

AUTHOR: Voronin, Yu. V. (Engineer); Golikov, I. N. (Dr. of technical sciences); Borok, B. A. (Candidate of technical sciences); Dzeladze, Zh. I. (Candidate of technical sciences); Goryunov, I. I. (Candidate of technical sciences); Solov, V. I. (Engineer)

ORG: none

TITLE: Molybdenum molds for pressure die casting of steel

SOURCE: Liteynoye proizvodstvo, no. 3, 1966, 37-38

TOPIC TAGS: molybdenum, pressure casting, metal casting, hot die forging/3Kk2V8 steel, TsSDM molybdenum

ABSTRACT: 3Kk2V8 steel as well as copper alloys, which are currently used as the materials of molds for pressure die casting of steel, are of insufficient strength, and this hampers the widespread introduction of pressure die casting. In this connection, the authors experimented with the use of TsSDM molybdenum, obtained by powder-technological methods. Slotted blanks weighing up to 16 kg, measuring 60 mm in diameter and 300 mm in height, were hot-forged into 300x150x60 mm slabs (heating temperature beginning with 1600-1650°C and ending with 1100-1200°C). Molds made of slotted and deformed Mo were heated at various temperatures,

Card 1/1

UDC: 621.711.3.091.6:621.74.014.2:650.14

ACC NR: AFY021268

thus established that the danger of the breaching or hot cracking of the molds can be eliminated if they are heated to 300°C and used in the preparation the casting of 20 and H13/NiCrTi steels. Their service life is longer than that of 30CrNi steel; they retain a satisfactory shape after being re-used 540 times, whereas molds made of 30CrNi steel can be satisfactorily re-used only 240 times. Thus, the use of molybdenum molds may markedly reduce casting cost. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 13,11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 004

Card

2/2 *LC*

PODOL'SKIY, A.M.; GOLIKOV, F.V.; BUROVA, T.A.

Essaysite from greisens developed in schists. Izv. Min.muz.  
no.16:175-186 '65. (MIRA 18:3)

GOLIKOV, K.

Urgent problems. Vest.prom.i khud.promys. 2 no.4:10-11 Ap 1961.  
(MIRA 14:4)

1. Sekretar' Omskogo oblastnogo komiteta Kommunisticheskoy partii  
Sovetskogo Soyuz.

(Industrial management)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515720013-7

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515720013-7"

GOLIKOV, K.K.

Effect of vitamin D on the activity of blood and bone alkaline  
phosphatase in albino rats on diets with various fat content.  
Ukr. biokhim zhur, 34 no. 5: 750-757, 1962. (MIRA 16:4)  
(VITAMINS - D) (PHOSPHATASE) (FAT)

GOLIKOV, K.K.

Effect of vitamin B and different quantities of iodine in the diet on the calcium and phosphorus content of the bones of growing white rats.

Ukr. Biokhim. zhur. 35 no. 3:264-273 1963. (MIRA 17:9)

1. Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R., Moscow.

GOLIKOV, K.A.

Effect of vitamin D on the activity of alkaline phosphatase in the blood and bones of white rats as related to the calcium and fat content in the diet. Ukr. biokhim. zhur. 37 no.1:27-34 195.

(MIRA 13:5)

1. Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R., Moscow.

GOLIKOV, L.V.; KOZLOV, V.N.

Determining the coefficient of diffusion in the extraction of  
resinous substances tar-impregnated stump wood by the "Kalosha"  
solvent. Trudy Inst.khim.UFAN SSSR no.6:63-69 '61.

(MIRA 16:2)

(Extraction (Chemistry)) (Guns and resins)

GOLIKOV, M.M., inzhener.

Glued elements for the body of the "Moskvich" station wagon.  
Der.1 lesokhim.prom. 3 no.5:24 My '54. (MLHA 7:6)

1. Skumerlinskiy mebel'nyy kombinat.  
(Automobiles--Bodies)

MEYLAKHS, M.; GOLIKOV, N., komandir otryada; POKHIL'KO, P., (Grodno, BSSR)

Facts, events, people. Kryl. rod. 14 no.5:22-29 My '63.  
(MIRA 16:7)

(Aeronautics)

POMOSOV, A.V.; SAKHAROVA, V.M.; Primali uchastiye: GOLIKOV, N.A.;  
SOBOLEVA, V.L.; FIKS-SHIMEL', R.V.; LEBEDKIN, A.A.

Balance of the voltage of cell in producing powdered copper.  
Trudy Ural. politekh. inst. no.94:65-69 '60. (MIRA 15:6)  
(Powder metallurgy) (Copper)

GOLIKOV, N.A.

Effect of the fluid extract from the roots of ginseng and phenamine on dynamic accommodation. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vest. no.5:111-114 '63.

(MIRA 17:8)

1. Meditsinskaya sluzhba Tikhoo-eanского flota.

15.3100

7  
807133-00-2-20-21

AUTHOR: GILLEN, H. S. (Encl. 1)

TITLE: Electrolytic Refining of Grade Tin and Heavy Metal

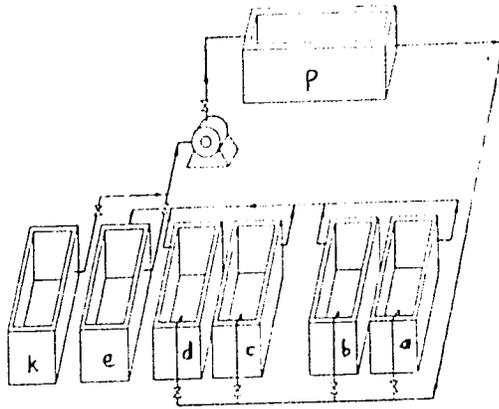
PERIODICAL: Stal', 1960, No. 2, pp 187-19; (USSR)

ABSTRACT: On the basis of laboratory investigation (for electrolytic refining of grade tin), sulfuric acid electrolyte of the following composition was selected (g/l): (1) stannous sulfate ( $\text{SnSO}_4$ ), 30; (2) sulfuric acid ( $\text{H}_2\text{SO}_4$ ), 100; (3) mineralic acid ( $\text{NH}_2\text{SO}_3\text{H}$ ), 20; (4)  $\beta$ -naphthol, 1; (5) Joliner's salt, 3. Refining was carried out in an electrolytic bath connected by a pipeline with a "current in" bath and a pressure tank. Both baths and the supply tank were coated by rubber and lined with acidproof bricks (see Fig. 1).

Card 1 of 1

Electrolytic Refining of Crude Tin and  
Heavy Metal

77084  
307,133-70-2-2-2, 2



Card 2, 5

Fig. 1. See caption on card 3 a.

Electrolytic Refining of Crude Tin and Heavy Metal

77-20  
 337,122-00-2-20/20

Caption to Fig. 1.  
 Fig. 1. Schematic diagram of electrolyte circulation during electrolytic refining process of crude tin. (a, b, c, d) Electrolytic baths; (e) "correcting" bath; (k) bath for electrolyte interception; (F) Pressure tank.

Dimensions of baths (mm):

	Length	Width	Height
Electrolytic and correcting bath	3,400	1,000	1,300
Pressure tank	2,500	1,000	1,200

The speed of the electrolyte circulation in the system was 20 l/min. During a 20-day period 5,650 kg of pure tin was produced. Basic technologi-

Card 3/5

Electrolytic Refining of Crude Tin and Heavy  
Metal

7702;  
SCN/133-66-2-24/25

cal characteristics were as follows: (1) Tin content, in initial metal, 99.3%; (2) current density, amp/cm<sup>2</sup>; (3) anode, 140; (4) cathode, 10; (5) voltage of bath, 1.8 v; (6) plating current, 20%; (7) electric power consumption, 200 kw/ton of cathode tin; (8) slime yield, 2%; (9) tin content in slime, 40%; (10) working surface: anode, 1.25 m<sup>2</sup>, cathode, 1.02 m<sup>2</sup>; (11) consumption per kg ton of cathode tin: jointed glue, 15;  $\beta$ -naphthol, 3.2; (12) temperature of electrolyte, 20°C. Melting of cathode tin was done in an electric furnace under a layer of cottonseed oil residue (from automatic tinplating process) with 97% yield of sound metal. The yield of sound metal under the layer of ammonium chloride was 99.97%. The substitution of pyrorefining by electrolytic refining with newly developed optimal technological parameters made it possible to obtain dense fine-crystalline cathode tin with only 0.03% impurity. There are 2 figures.

Card 4/5

Electronics Division  
Henry M. ...

...

ASSOCIATION: ... (Magazine ...)

...

GOLIKOV, N.S.

Technology of the electrolytic refining of crude tin and high  
density metals. TSvet.met. 35 no.2:40-43 F '62. (MIRA 15:2)  
(Galvanizing--By-products) (Tin--Electrometallurgy)

NASAKINA, M.B., inzh.; GOLIKOV, N.S., inzh.; TYUKALOV, P.A., inzh.

Investigating the operation of high-speed electrolytic cleaning  
units. Stal' 24 no.12:1107-1109 D '64. (MIRA 18:2)



GOLIKOV, N.S., inzh.; FILATOV, A.D., inzh.; BERLIN, B.I., inzh.

Mastering the technology of producing electrolytically treated  
sheet iron. Stal' 25 no.4:341-346 Ap '65. (MIRA 12 11)

GOLIKOV, M.V.

Regulate prices for the repair of electric meters.  
Izm.tekh. no.4:57 Ap '60. (MIRA 13:8)  
(Electric meters--Maintenance and repair)

WILSON, R. G., 1972.

Journal of the American Medical Association, 219: 1000-1001, 1972.  
The Nervous System and the Central Nervous System. 1972.  
1000-1001.

(NERVOUS SYSTEM)

GOLIKOV, N.V., professor.

Diencephalic influence on the electric activity of the brain. Nauch.  
biul. Len. un. no. 24:34-36 1949. (MLRA 10:3)

1. Laboratoriya fiziologii tsentral'noy nervnoy sistemy Fiziclogicheskogo  
instituta.

(ELECTROPHYSIOLOGIST) (BRAIN)

GOLIKOV, N.V.

Functional changes in the nervous system in tetanotoxin poisoning. Uch. zap. Len. un. no.99:6-45 '69. (MIRA 10:2)

1. Iz fiziologicheskogo instituta imeni akademika A.A. Ukhtomskogo pri Leningradskom gosudarstvennom ordena Lenina universitete.  
(TETANUS) (NERVOUS SYSTEM)

GOLIKOV, N. V.

"Physiological Lability and the Effect of the Basic Processes Upon It,"  
Leningrad, Izd-vo Leningradskogo gos. ordena Lenina Univ. Im. A. A. Zhdanova, 1950

BOLEKOV, N. V.

reflexes

Problem of the reflex action of an organism in the light of physiological evolution.  
Vest. Len. un. 7, no. 1954.

Monthly list of journal acquisitions, Library of Sciences, USSR Acad. Sci.

COLIKOV, N. V.

Vvedenskii's theory on inhibition and stimulation and its further development. Fiziol. zh. SSSR 38 no. 2:194-205 Mar-Apr. 1952. (CML 22:3)

1. Leningrad.

URHTOMSKIY, Aleksey Alekseyevich, akademik; AYRAPET'YANTS, E.Sh., dotsent, redaktor; VASIL'YEV, L.L., professor, redaktor; VINOGRADOV, M.I., professor, redaktor; GOLIKOV, N.V., professor, redaktor; ZHUKOV, Ya.K., professor, redaktor; MEL'NIKOVA, G.G., redaktor; VEDOLAGINA, S.D., tekhnicheskii redaktor

[Collected works] Sobranie sochinenii. Leningrad, Izd-vo Leningradskogo univ. Vol.4. [Sketch of the physiology of the nervous system (from the general course in physiology at the Leningrad State University) Ocherk fiziologii nervnoi sistemy. (Iz obshchego kursa fiziologii v Leningradskom gosudarstvennom universitete). 1954. 229 p. Vol.5. [Reviews and other articles] Obzornye i drugie stat'i. 1954. 231 p. (MLRA 10:1)

(PHYSIOLOGY)

VVEDENSKIY, N.Ye.; VASIL'YEV, L.L., professor, redaktor; VINOGRADOV, V.I., professor redaktor; VETYUKOV, I.A., dotsent, redaktor; GOLIKOV, N.V., professor, redaktor; SHUKOV, Ye.K., professor, redaktor; MAKAROV, P.O., professor, otvetstvennyy redaktor; MEL'NIKOVA, G.G., redaktor; VODOLAGINA, S.D., tekhnicheskiiy redaktor

[Complete collected works] Polnoe sobranie sochinenii. Leningrad, Izd-vo Leningradskogo gos. univ. im. A.A.Zhdanova. Vol.5. [A course of lectures on animal and human physiology delivered at St.Petersburg University from 1911-1913] Kurs lektsii po fiziologii zhivotnykh i cheloveka chitannykh v Peterburgskom universitete v 1911-1913 g.g. 1954. 380 p. (MLRA 10:1)  
(PHYSIOLOGY)

GOLIKOV, N.V.

The nature and mechanisms of inhibition. Vest. Len. un. 9  
no. 10:93-105 O '54. (MIRA 3:7)  
(Inhibition)

VVEDENSKIY, Nikolay Yevgen'yevich; VASIL'YEV, L.L., professor; redaktor;  
VINOGRADOV, M.I., professor, redaktor; VEYUKOV, I.A., dotsent,  
redaktor; GOLIKOV, N.V., professor, redaktor; ZHUKOV, Ye.K., pro-  
fessor; SHCHERBAKOVA, G.A., redaktor; IVANOV, V.V., tekhnicheskii  
redaktor.

[Complete works] Polnoe sobranie sochinenii. Leningrad, Izd-vo  
Leningradskogo gos. ordena Lenina univ. im. A.A. Zhdanova. Vol. 6.  
[Supplements and annotations to Russian translations of text-  
books on physiology, 1886-1899] Dopolneniia i primechania k  
russkim perevodam uchebnikov po fiziologii, 1886-1889 gg. 1956.  
220 p. (Physiology) (MLRA 9:6)

GOLIKOV, N.V., professor, otvetstvennyy redaktor; MYASISHCHEV, V.N.,  
professor, otvetstvennyy redaktor; SHCHERBAKOVA, G.A., redaktor;  
VODOLAGINA, S.D., tekhnicheskly redaktor

[Problems in the theory and practice of electroencephalography;  
a collection of articles for clinicians] Voprosy teorii i praktiki  
elektroentsefalografii; sbornik statei v pomoshch' vrachu-klinitistu.  
[Leningrad] 1956. 257 p. (MLBA 10:1)

1. Leningrad. Universitat.

(ELECTROENCEPHALOGRAPHY)

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
General Problems

Abs Jour: RZhBiol., No 19, 1958, 89151

Author : Galikov, N.V.

Inst : -

Title : On the Problem of the Mechanism of Synaptic  
Transmission of Stimulation.

Orig Pub: V sb; Probl. fiziol. tsentr. nervn. sistemy M.-L.,  
AN SSSR, 1957, 194-199

Abstract: The nervous impulse acts upon a cell following the  
General rules of Vvedenskiy. The recurring impulse  
of excitation on the nerve fibres and synapses leaves  
behind it a condition of pessimum of short duration,

Card : 1/3

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
General Problems

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Abs Jour: RZhBiol., No 10, 1958, 89151

of functional parabolic. Nervous impulses may produce not only a decrease of lability and depolarization, but also an opposite condition. The parabolic process is accompanied by a triphasic change of the excitability with biphasic change of lability. The conditions of rest, of stimulation and of inhibition replace each other regularly depending upon the level of polarization and lability of the tissue. Depending upon the state of synchronization of stimulation in the synapses and on their localization (in the dendrites or in the soma of the neuron), there may follow either a discharge, or an electro-

Card : 2/3

T-83

Country : USSR

T

Category: Human and Animal Physiology. Nervous System  
General Problems

Abs Jour: RZhBiol., No 19, 1958, 89151

tonic regulation of the condition of the neuron  
in the direction of stimulation or inhibition. --  
A.M. Ryabinovskaya

Card : 3/3

GOLIKOV, N.V.

Theory of nerve impulse conduction. Nauk zap. Kyiv. un. 16  
no.17:53-57 '57. (MIRA 1):2  
(NERVES)

ГОЛИКОВ, Н. В.  
VASIL'YEV, L.L.; GOLIKOV, N.V.; ZHUKOV, Ye.K.; KUNEVICH, V.G.

Iulii Mikhailovich Ufliand; on his 60th birthday. Fiziol.zhur. 43  
no.6:590-591 Je '57. (MIRA 10:12)  
(UFLIAND, IULII MIKHAILOVICH, 1897- )

EXCERPTA MEDICA Sec.2 Vol.11/1 Physic-Biochem, etc. Jan 58

Golikov, N. V.

269. HYPOTHALAMIC EFFECTS UPON SPINAL AND BULBAR CENTRES  
(Russian text). Golikov N. V. A.A.Ukhtomski Physiol. Inst., Univ.  
of Leningrad. FIZIOL.Z. 1957, 43/7 (629-635) Graphs 1  
Setchenov inhibition of spinal motor reflexes can be produced by stimulation of  
the hypothalamic sympathetic centres, but in case of functional impairment of the  
motor neurons the effect of sympathetic stimulation is reversed: it increases the  
spinal reflexes.  
Simonson - Minneapolis, Minn.

GOLIKOV, N.V.; DANILOV, I.V.; MENIUSKII, I.I.

Electrophysiology of the central nervous system. Fiziol.zhur. 43  
no.9:910-915 S '57. (MIRA 10:11)  
(ELECTROPHYSIOLOGY)

GOLIKOV, N.V., prof., otv.red.; PETROVICHEVA, O.L., red.; ZHUKOVA,  
Ye.G., tekhn.red.

[Nervous system] Nervnaya sistema. No.1. 1960. 222 p.  
(MIRA 13:6)

1. Leningrad, Universitet.  
(NERVOUS SYSTEM)

KUPALOV, Petr Stepanovich, prof., otv.red.; GOLIKOV, N.V., red.; KASATKIN, N.I., red.; KARAMYAN, A.I., red.; LAPINA, I.A., red.; VASIL'YEVA, Z.A., red.; RUL'SVA, M.S., tekhn.red.

[Problems in the physiology and pathology of the higher nervous activity; successes and prospects for development] Problemy fiziologii i patologii vysshei nervnoi deiatel'nosti; dostizheniia i perspektivy razvitiia. Pod obshchei red. P.S.Kupalova. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd., 1960. 238 p. (MIRA 13:12)

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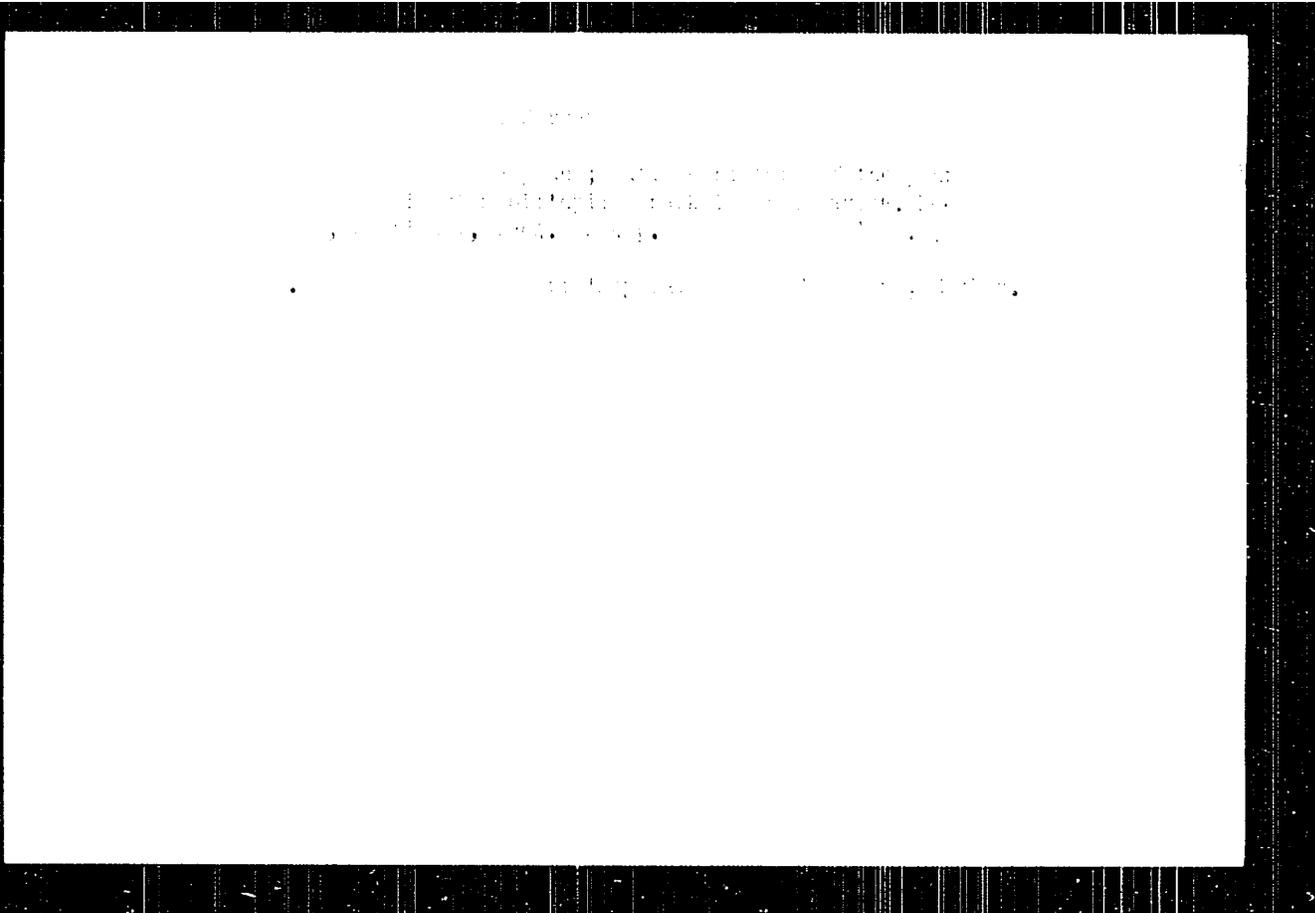
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1. Iz laboratorii farmakologii (zav. - akademik-korrespondent ANU SSSR prof. S.N. Golikov) Instituta toksikologii Ministerstva zdravookhraneniya SSSR, Leningrad. Predstavlena deystvitel'nym chlenom ANU SSSR A.V. Lebedinskim.

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Methodology for the study of selective effects of pharmacological substances on central and peripheral enzyme-reactive systems.  
Farm. i toks. 27 no.4:495-498 31-Ag '64.

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SECRET

Reference is made to the report of the Director, Office of the  
Director, Central Intelligence Agency, dated 10/10/63.

The report of the Director, Office of the Director, Central Intelligence Agency, dated 10/10/63, is being referred to the Director, Office of the Director, Central Intelligence Agency, for his information and guidance.

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U.S. DEPT. OF HEALTH, EDUCATION & WELFARE  
PHARMACOLOGY DIVISION

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zdravookhraneniya)

TITLE: Tremorine hyperkinesia as a model for estimating the cholinolytic activity  
of compounds

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 61, no. 4, 1966, 61-65

TOPIC TAGS: mouse, pharmacology, nervous system drug

ABSTRACT: The median effective doses of the cholinolytics atropine (I),  
scopolamine (II), amisyl (III), amisyl chloromethylate (IV), dipiperidine (V),  
dipiperidine chloromethylate (VI), lachesine (VII), diphyll (VIII), amiprine (IX),  
and antitremorine (X) were determined which prevented intoxication with tremorine  
(1,4-dipyrrrolidin-2-butyne) in mice, as indicated by trembling and salivation.  
The doses of I-X that prevented intoxication with arecoline were also established.  
There was a parallelism between the antitremorine and antiarecoline activities of  
the substances tested and a correlation between the M-cholinolytic activity  
exhibited by them and their effect in counteracting tremorine. Quaternary ammonium  
compounds were the most active peripheral antagonists of both tremorine and

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arecoline. The results indicated that hyperkinesia — M-cholinergic  
were due to excitation of the central and peripheral M-cholinergic  
It is doubtful on the basis of the results obtained that tremorine intoxication  
is due to the M-cholinolytic activity of compounds. Selective activity

GOLIKOV, S.P., inzh.

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1. Dnepropetrovskiy filial instituta Proyektstal'konstruktsiya.  
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1. Inyepetrovskiy filial Gosudarstvennogo instituta po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov.